

Microgrids and the Future of Decentralized Energy

Innovation Day USA 2017 | Princeton, March 27, 2017
Clark Wiedetz, Siemens Digital Grid

Notes and forward-looking statements

This document contains statements related to our future business and financial performance and future events or developments involving Siemens that may constitute forward-looking statements. These statements may be identified by words such as “expect,” “look forward to,” “anticipate” “intend,” “plan,” “believe,” “seek,” “estimate,” “will,” “project” or words of similar meaning. We may also make forward-looking statements in other reports, in presentations, in material delivered to shareholders and in press releases. In addition, our representatives may from time to time make oral forward-looking statements. Such statements are based on the current expectations and certain assumptions of Siemens’ management, of which many are beyond Siemens’ control. These are subject to a number of risks, uncertainties and factors, including, but not limited to those described in disclosures, in particular in the chapter Risks in the Annual Report. Should one or more of these risks or uncertainties materialize, or should underlying expectations not occur or assumptions prove incorrect, actual results, performance or achievements of Siemens may (negatively or positively) vary materially from those described explicitly or implicitly in the relevant forward-looking statement. Siemens neither intends, nor assumes any obligation, to update or revise these forward-looking statements in light of developments which differ from those anticipated.

This document includes – in IFRS not clearly defined – supplemental financial measures that are or may be non-GAAP financial measures. These supplemental financial measures should not be viewed in isolation or as alternatives to measures of Siemens’ net assets and financial positions or results of operations as presented in accordance with IFRS in its Consolidated Financial Statements. Other companies that report or describe similarly titled financial measures may calculate them differently.

Due to rounding, numbers presented throughout this and other documents may not add up precisely to the totals provided and percentages may not precisely reflect the absolute figures.

An aerial 3D rendering of a decentralized energy landscape. In the top left, a coastal area features several large white wind turbines on a grassy hill and a sandy beach. A road with a bridge crosses a small inlet. To the left of the center, a large array of solar panels is installed in a field. In the center, a large industrial or commercial building with a flat roof is surrounded by trees. To its right, a smaller building with a chimney and a power substation with high-voltage lines are visible. The bottom half of the image shows a residential area with numerous small houses and a larger, more complex urban development with various building shapes. The entire scene is set against a backdrop of green fields and a blue sky.

The Decentralized Energy Landscape

A nighttime photograph of the New York City skyline, featuring the Empire State Building and other skyscrapers. In the foreground, the Manhattan Bridge is visible with light trails from traffic. A teal rectangular box is overlaid on the right side of the image, containing the text "A Smarter Grid".

A Smarter Grid

Genesis of Microgrid



Siemens Microgrid Management Software



A low-angle, upward-looking shot of the Manhattan Bridge. The bridge's massive stone towers and the dense network of suspension cables dominate the frame, creating a strong geometric pattern. In the background, the New York City skyline is visible under a blue sky with light clouds. A teal banner is overlaid on the right side of the image.

Future of Microgrids